

a discrete device that includes at least one of a temperature sensing device that detects a peripheral temperature, that supplies the detected temperature as temperature data to the frequency correction section, and that is provided as a separate body to the semiconductor chip, or a capacitor that is connected to both the oscillator and the oscillation circuit and that is provided as a separate body to the semiconductor chip; and

a measurement section that measures a measurement target associated with timing data generated based on the timing signal.

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